

**SAMSON CREE NATION – MATRIX SOLUTIONS INC.  
PARTNERSHIP**

**ABORIGINAL CONSTRUCTION MONITORING**

**WEEKLY REPORT**

**SPREAD 2**

**NOVEMBER 5<sup>TH</sup> - NOVEMBER 10<sup>TH</sup>**

## **1. PURPOSE OF THIS REPORT**

The report is a weekly summary of the daily reports submitted by the Aboriginal Monitors that are working on spread two. The social and cultural findings have been tabulated with locations and mitigation measures below. A summary of the construction activities has been summarized for November 5<sup>th</sup> – November 10<sup>th</sup>, 2018.

### Social and Cultural Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Traditional Use Area (hunting, fishing, gathering, trapping)	No Occurrence			
Rock Formations (rocks of significance, tipi rings, etc.)	No Occurrence			
Artifacts	No Occurrence			
Bones	No Occurrence			
Potential Gravesites	No Occurrence			

### Environmental Features

Field Observation	# of occurrences	Description and Mitigation Measures	Mitigation Status	Further Action Required (Yes/No)
Medicinal or Cultural Plants	No Occurrence			
Aquatic Life	No Occurrence			
Animal Observations or Burrows	No Occurrence			

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Bird Nests	No Occurrence			
Trees (Red Willow)	No Occurrence			
Wetlands	No Occurrence			
Watercourse Crossing	No Occurrence			

## Additional Observations and Summary of Activities or Concerns

Attended daily safety meetings and discussed daily scopes each morning with the Contractor Liaison Dean Pooyak, and/or the Senior Construction monitor Drayton Kasokeo.

Weekly activities included spot-checking km: 158,168-176,178-184,187,189, 197,204,206,208,209,221,224,231-234,236,238,240-243,246,251-263,265,266; and shoofly:93,100-104,106,108,109,110,112-116, 124, 128, 129, 130, 131, 132, 139, 141, 143,146,147,149-152,153,154,155,157,160,163,164-168,170.

On November 5, the daily safety theme was to be aware of changing weather conditions (slips, trips and falls). The weather forecast was windy with snow. At SF 102, crews were crossing equipment, backfill and clean up were noted. At SF 104, crews were cleaning up. Tie-in was noted at SF: 104, 110, and 114. Also, at SF 114, backfill, meridian survey, shading and coding pipe were observed. At SF 115, tie-in crew were prepping for above ground weld. At SF 124, tie-in excavators were digging the tie-in ditch on both sides of the road. At SF 141, mainline backfill was noted at Eagle Creek, the ditch was left open for tie-in. At SF 143, crews were crossing equipment and lowering crew was lowering in section. The big wheel ditcher was digging the mainline ditch between SF 146 and 147, and the small wheel ditcher crossed SF 147, and started to dig the mainline ditch. The coating crew were on location at km 232+100 to 900.

November 6, the daily safety theme was to be aware of your surroundings. The weather forecast was light snow. At SF 101, side booms were taken down and being loaded into a trailer. Excavators were digging for tie-in crew at km 179+300. At SF 106, crews were cleaning up the site, and dozer was levelling off the ROW. At SF 108, track hoes and dozers were moving dirt. At SF 109, track hoe was digging the ditch for tie-in. At SF 110, dozer was pushing clay that was dumped from tie-in into the spill pile. At SF 114, backfill was not completed in the area, and coating crew was sandblasting the tie-in weld. At SF 115, crew was coding tie-in. At SF 116, tie-in weld is out of ditch. At SF 124, tie-in crew tandem lift 2-joint section to weld onto bore stub west; additionally, clay was being put onto the north side of the ROW spill pile with dozer assisting. Excavator was also plugging out west of SF 124. At SF 129, tie-in crew was welding in the ditch, and meridian survey was on location. At SF 147, excavators were digging out a "S-bend" in the mainline section to start the bell hole section. At SF 149, the big wheel ditcher started to dig the mainline ditch. At SF 157, crews were spraying topsoil pile with tackifier. The end prep crew was monitored at km 256+400. At SF 164, hydro vac was day lighting the track bore casing, and the bending crew was noted.

November 7, the daily safety theme the safety theme was low visibility and congestion in the work areas. The weather forecast was windy. At SF 93, equipment was being cleaned. At SF 103, backfill left an open bell hole on the west of the TransGas line crossing for the coating crew to coat the weld. At SF 110, tie-in backfill crew was at work. At SF 124, tie-in crew was prepping for weld. At SF 128, tie-in crew excavator was digging the tie-in ditch. At SF 151, equipment was crossing. At SF 152, coating

crew was working east on the mainline sandblasting. At SF 160, hydro mulch was being sprayed through the heritage area, and crews were tackifying topsoil. At SF 161, poor boy crew was observed. At SF 164, prep crew was transitioning ends for the mainline welding crew, equipment was crossing the highway, hydro vac was exposing hotlines, excavators were cleaning slopes on the bore bay, and poor boy was welding through the heritage area. At SF 165, reverse lay on the offside was being set up. At SF 167, bending crew was pulling a 2-degree sag bend.

November 8, the safety themes was crush zones and pinch points, be aware of the danger zones on site. The weather forecast was windy. At SF 100, grade crew was moving dirt. At SF 101, dozers were cleaning up, grader was working, mechanic was servicing an excavator, and an excavator was loading boulders into rock truck. At SF 104, crew was backfilling tie-in section. At km 178+500, tie-in crew was welding tie-in at Plains Storage Terminal area. At SF 108, hydro vac was day lighting hotlines. At SF 109, tie-in side booms were getting ready for 2-joint tandem left for weld in the ditch, crew was on standby waiting for the hydro vac, crews were pumping water out of the ditch into the pigpen. At SF 112, excavator was shading pipe for final tie-in, and two dozers were pushing clay into ditch for clean up. AT SF 115, tie-in crew was monitored. At SF 124, excavator was backfilling tie-in, dozer was pushing dirt into ditch and excavator was moving dirt to fill the ditch at the bore bay. At SF 151, the lowering crew was waiting to lower in the section of the mainline ditch. Between SF 152 and 153, the ditching crew and two excavators were finishing the bell holes. At SF 153, the coating crew was monitored. At SF 165, the SITE resources crew were spraying the tackifier on topsoil piles. At SF 166, end prep crew were working east. At SF 167, the bending crew were pulling bends.

November 9, the safety theme was communication and don't be afraid to ask questions. The weather forecast was windy and overcast. At SF 100, crew was putting back natural grade and swale. At SF 105, tie-in backfill crew was working east of the train tracks. At SF 110, tie-in backfill was welding on the east side of the road. At SF 113, tie-in backfill crew were backfilling the ditch and bell hole. At SF 128, tie-in crew were welding and prepping for tie-in. At SF 153, ditching wheel and mechanic was servicing equipment. At SF 155, coating crew was working east, and the ditching wheel was working west. At SF 163, mainline welding was noted. At SF 164, boring crew, equipment crossing and poor boy crew was welding. At SF 166, hydro mulch was being sprayed. At SF 168, prep crew was working with excavators transitioning pipe ends for mainline, tackifying crew was working on topsoil, materials were being unloaded off of highboy, and set up crew was setting up offside and mainline. At SF 170, bore crew was mobbing in, semi was offloading material for bore, and crew was assembling boom.

November 10, the safety themes were fatigue management and harassment. The weather forecast was cloudy and windy. At SF 130, crew was warming up equipment. At SF 131, tie-in crew was working and track hoe was digging out the tie-in section. At SF 132, hydro vacs were day lighting hotlines. At SF 139, boring crew and mechanic was on site. At SF 140, excavator was digging the tie-in ditch from the bore bay to the mainline ditch. At SF 153, track hoe was digging the ditch and bell hole; also, lowering in crew was lowering in mainline section. At SF 154, the ditching wheel was observed. At SF 165, mechanic was servicing equipment, and poor boy was welding the mainline.

The location of these features was documented and photos were collected (see below). No additional cultural or environmental features were observed within the scanned areas.

**Photos of Sites Visited & Topics Discussed This Week**



Backfill crew pulling soil - km 222+370 – Nov 5, 2018



Tie-in excavator - km 197+360 – Nov 5, 2018



Moving dirt – km 172+100 – Nov 5, 2018



Crossing equipment– km 224+743 – Nov 5, 2018



Bending crew pulling bends – km 211 – Nov 6, 2018



Excavator spraying piles– km 246+375 – Nov 6, 2018





Digging ditch for tie-in – km 180+100 – Nov 6, 2018



Digging tie-in section – km 197+500 – Nov 6, 2018



Welding crew and final tie-in – Km204+800 – Nov 6, 2018



Tandem lift for tie-in – km 197+500 – Nov 6, 2018



Tie-in backfill – km 175+170 – Nov 7, 2018



Excavator shading pipe at Plains mainline crossing – Nov 7, 2018



Getting ready to cross equipment – km 259+200 – Nov 7, 2018



Digging the ditch – 236+070 – Nov 7, 2018



Hydrovac exposing hotline – SF 164 – Nov 7, 2018



Bending crew – SF 167 – Nov 7, 2018



SITE crew spraying tackifier– km 259+800– Nov 8, 2018



Digging mainline ditch – km 238+750 – Nov 8, 2018



Grading ROW – km 170+940 – Nov 8, 2018



Shading tie-in section – km 197+400 – Nov 8, 2018



Excavator shading pipe for final tie-in – SF 112 – Nov 8, 2018



Excavator loading rocks – SF 101 – Nov 8, 2018



Ditching wheel – SF 193 – Nov 9, 2018



Prep crew – SF 168 – Nov 9, 2018



Tackifying soil – km 263+500 – Nov 9, 2018



Coding crew – km 243+100– Nov 9, 2018



Reclaiming natural grade - km 169+455 – Nov 9, 2018



Tie-in backfill crew – SF 113 – Nov 9, 2018



Digging tie-in ditch – SF 140 – Nov 10, 2018



Hydrovac slot digging – km 209+703 – Nov 10, 2018

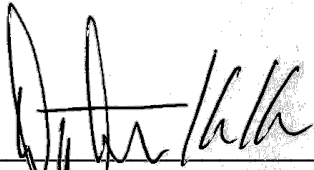


Bore crew- km 221+150 – Nov 10, 2018



Digging ditch – km 241+640 – Nov 10, 2018

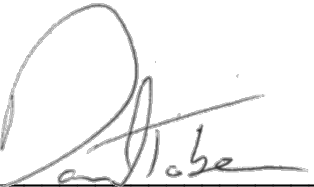
**APPROVALS**



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Drayton Kasokeo  
Senior Construction Monitor

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November 20, 2018

Date



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Daniel Tober  
Senior Environmental Scientist

\_\_\_\_\_  
November 20, 2018

Date